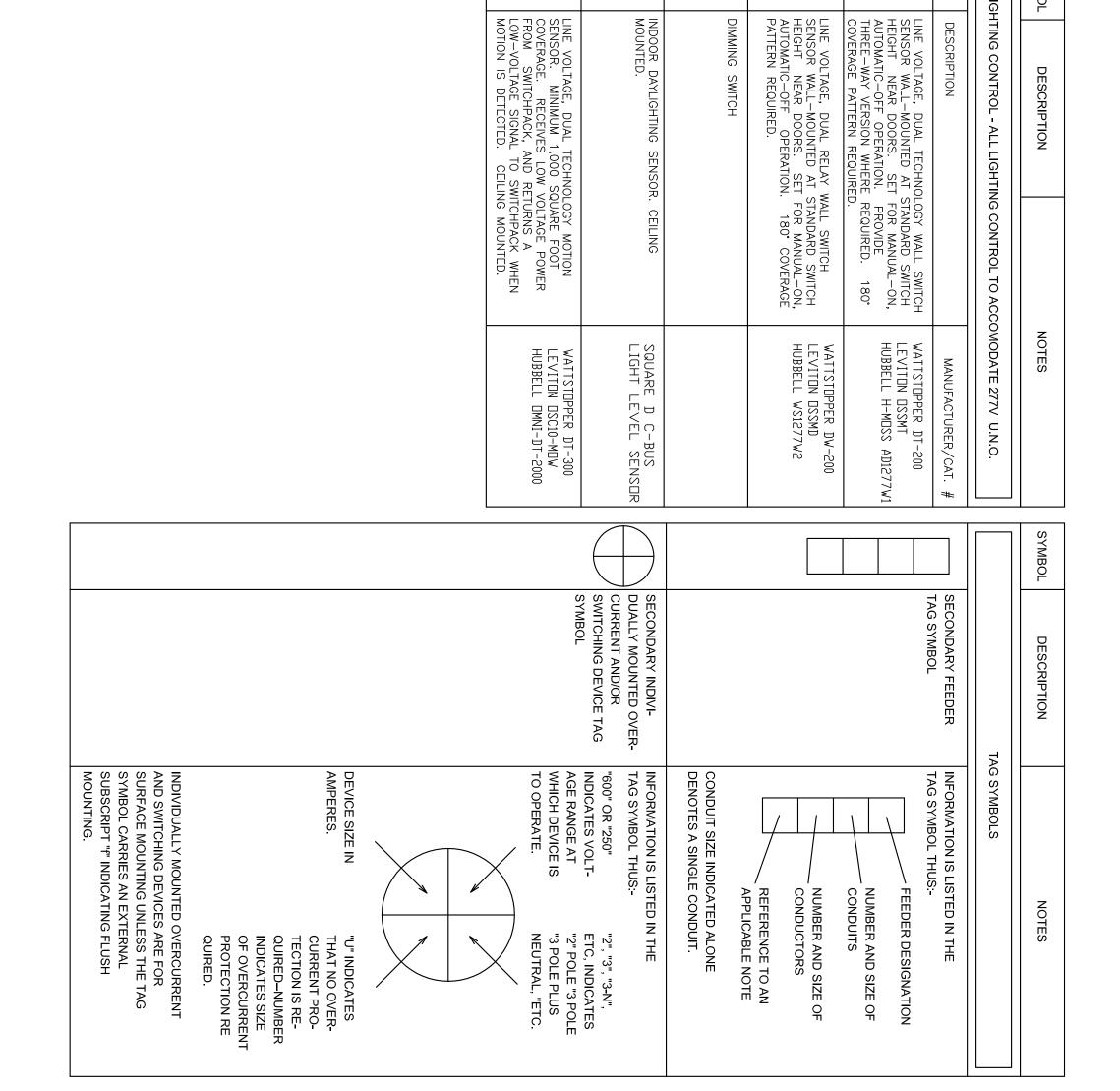
ARE PART OF AN OVERALL FIRE PRO- TECTIVE ALARM SYSTEM INSCRIBED SHADING IN LOWER POR- TECTIVE ALARM SYSTEM INSCRIBED SHADING IN LOWER POR- TION DENOTES THAT THE ITEMS ARE PART OF A SEPARATE SYSTEM WHICH INCORPORATES ACTUATING DEVICES REPRESENTED BY SIMILARLY SHADED SYMBOLS SUBSCRIPT LOWER CASE LETTERS IN QUOTES DENOTE EXCEPTIONS TO SPECIFIED MOUNTING AS FOLLOWS: "f" - flush "s" - surface FIRE PROTECTIVE ALARM SYSTEMS BASIC ITEMS CENTRAL EQUIPMENT OF SYSTEM OUTLYING ANNUN CIATOR	SPEAKER W/ VISUAL ALARM DEVICE WOUNTED DEVICES—CIRCUMSCRIBED CIRCLES THUS:- CIRCLES THUS:- DENOTE WALL MOUNTING	FIRE PROTECTIVE ALARM SYSTEMS SOUNDING AND VISUAL DEVICES SPEAKER SUBSCRIPT -T- DENOTES TROUBLE SIGNAL	FEEDER RUN CON- CEALED BELOW AS PER BASIC REQUIREMENTS FOR THE INSTALLATION OF CIRCUITRY. FEEDER RUN EXPOSED AS PER BASIC RE- QUIREMENTS FOR THE INSTALLATION OF		SECONDARY FEEDERS	PULL BOX OR JUNCTION BOX-OUTLET BOX TYPE MOUNTED AT CEILING JB JUNCTION BOX	JUNCTION AND PULL BOXES – SECONDARY LIGHT AND POWER WIRING PULL BOX OR JUNCTION BOX-OUTLET BOX TYPE WALL MOUNTED	CEILING MOUNTED EXIT SIGN EXIT SIGN INDICATE LETTERED FACE AND DIRECTIONAL ARROWS AT SYMBOLS FOR SIGNS FOR WHICH SELECTION OF SUCH FEATURES IS REQUIRED. SUBSCRIPT DESIGNATIONS XA, XB, XC, ETC. INDICATE EXIT SIGN TYPE REFERENCES TO LIGHTING FIXTURE LIST.	WALL MOUNTED EXIT APPLICATION OF S	SUBSCRIPT LOWER CASE LETTERS INDICATE SWITCH CONTROL ASSOCIATIONS F4 WALL MOUNTED LIGHTING FIXTURES FLOOR MOUNTED FLOOR MOUNTED EXIT SIGNS ARE DESIGNATED WITH "E" BEFORE THE CIRCUIT NUMBER.	JRES CASE LETTERS IN INDICATE FIXTUR
WIRING DEVICE \$ WIRING DEVICE TYPE SWITCH \$ SWITCH WITH THERMAL OVERLOAD PROTECTION FOR 120V FRACTIONAL HP MOTORS KEY OPERATED SWITCH \$ KEY OPERATED SWITCH AREA OF RESCUE ASSISTANCE INTERCOM AREA OF RESCUE ASSISTANCE INTERCOM \$ WIRING DEVICE SUBSCRIPT NUMBERS DE- NOTE -2 POLE- SUBSCRIPT LETTERS IN PARENTHESIS THUS:- (PL) WITHOUT SUBSCRIPT UPPER CASE LETTERS SYMBOLS DENOTE WIRING DEVICE SUBSCRIPT WIRING DEVICES FIED. OF NON STANDARD WIRING DEVICES SUBSCRIPT LOWER CASE LETTERS IN WIRING DEVICES WIRING DEVICE SUBSCRIPT WIRING DEVICE OF NON STANDARD WIRING DEVICES SUBSCRIPT LOWER CASE LETTERS IN DICATE SWITCH CONTROL ASSOCCIA- TIONS.	SYMBOL DESCRIPTION IOBE DIAPHRAGING SWITCHES DENOTE LENGTH OF ASSO- CIATED TUBING NOTES	SETTINGS SUBSCRIPT NUM- BERS IN PAREN- THESIS AT SYM- BOLS REPRESENT- ING PNEUMATIC TUBE DIAPHRAGM	SUBSCRIPT NUM- BERS IN PAREN- THESIS AT SYM- BOLS REPRESENT- ING FIRESTATS DENOTE EXCEP- TIONS TO SPECI- FIED STANDARD TEMPERATURE	SD SUBSCRIPT "T" SD SUBSCRIPT "T" SUBSCRIPT "R" R INDICATES RECEIVER SD SUBSCRIPT "R" SD SUBSCRIPT "R" FHRAGM SWITCH PERATURE TYPE TYPE TYPE SUBATIC SUBSCRIPT "R" PHRAGM SWITCH	DD DUCT SMOKE DETECTOR RATE OF FUNCTION THUS:- RISE PLUS FIXED TEM- PERATURE TYPE FUNCTION THUS:- RISE PLUS FIXED TEM- FIXED TEM- FIXED TEM- FIXED TEM- FIXED TEM- FIXED TEM-	PER S DE- LOW-	power failure failure DEVICES AS SHOWN DENOTE DP-DRY PIPE CEILING MOUNTED air comp. DEVICES AND CIR- COMSCRIBED CIR- COMSCRIBED CIR- CLES DENOTE	fp-fire pump pow- er available alarm relay con- tacts P-AIR PRESSURE SWITCH DF-DRY PIPE MOUNTED DEVICES -CIRCUMSCRIBED CIRCLES THUS:- MOUNTING EXCEPT THAT FOR AUTO- MATIC FIRE DE- MATIC FIRE DE-	F—FLOAT SWITCH F—FLOAT SWITCH SUBSCRIPT ROMAN NUMERALS DENOTE FR-FIRE PUMP RUN- SYSTEM WHERE NING ALARM RELAY THERE IS MORE CONTACTS THAN ONE.		FIRE PROTECTIVE ALARI ACTUATING DEVICE SUBSCRIPT DEVICE KEY STATIO
POWER OR DISTRIBU- TION PANEL. LIGHTING OR APPLIANCE PANEL. INDIVIDUALLY MOUNTED PRIMARY VOLTAGE TO SECONDARY VOLTAGE TO SECONDARY VOLTAGE TO SECONDARY VOLTAGE TO SECONDARY VOLTAGE TO SECONDARY VOLTAGE TO SECONDARY VOLTAGE TO SECONDARY VOLTAGE TO SECONDARY VOLTAGE TO SECONDARY VOLTAGE TO SECONDARY VOLTAGE TO SECONDARY VOLTAGE TO SECONDARY VOLTAGE TO SECONDARY VOLTAGE TO SECONDARY VOLTAGE TO SECONDARY VOLTAGE TO SECONDARY VOLTAGE TO SECONDARY VOLTAGE TO SECONDARY VOLTAGE TO SECONDARY VOLTAGE TO SECONDARY VOLTAGE	FERENCE APPLIED TO ASSOCIATED MOTORS—WHERE RELATION OF MOTORS TO CON- TROL ITEMS IS NOT EVIDENT,	SUBSCRIPT NUMBERS INDICATE FUSING WHERE REQUIRED (3 POLE FUSING UNLESS NOTED).	INDIVIDUALLY MOUNTED SECONDARY OVERCURRENT AND SWITCHING DEVICES (CIRCUIT BREAKERS, FUSIBLE SWITCHES, UNFUSED SWITCHES, ETC.) APPLIED AS SPECIFIED. PROVIDE VOLTAGE TO MATCH EQUIPMENT VOLTAGE. AMPERAGE AND POLES ARE INDICATED ON PLANS - SOME SIZES SHOULD BE VERIFIED WITH EQUIPMENT MANUFACTURER (WHERE NOTED). SPECIFIED.	MOTORS, PANELS, AND INDIVIDUALLY MOUNTED DEVICES AND EQUIPMENT - SECONDARY LIGHT AND POWER WIRING MOTORS IN MECHANI- CAL SYSTEM EQUIP- MENT. COMPLETE INFORMATION FOR MOTORS IS INDICATED BY APPLICATION OF TAG SYMBOL REFERENCE TO MOTOR LIST	TO BE GANG PLATE OUTL	CEILING SPECIAL PUR- POSE POWER SUPPLY RECEPTACLE CEILING SPECIAL PUR- RUN IN COMBINATION WITH ANY WIRING DEVICE SYMBOLS THUS:- DENOTES WIRING DEVICES WHICH ARE		DUPLEX RECEPTACLE IN FLUSH FLOOR BOX QUAD RECEPTACLE PENDANT MOUNTED FROM CEILING CEILING DUPLEX RECEPTACLE 1	POWER SUPPLY FOR ACCESS CONTROL SEE TELECOM PLANS QUAD RECEPTACLE IN FLUSH FLOOR BOX INDICATION INDICATION	WALL DOUBLE DUPLEX (QUAD) CONV. RECEPT. GFI (GROUND FAULT INTERRUPTING) WALL DUPLEX CON- VENIENCE RECEPTACLE WALL SINGLE CON- VENIENCE RECEPTACLE	WIRI DUPLEX CON-



DULUTH INTERNATIONAL AIRPORT DULUTH, MN

DULUTH AIRPORT AUTHORITY

NEW PASSENGER TERMINAL

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INDOOR DAYLIGHTING MOUNTED.

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DIMMING

SWITCH

DATE ISSUED:
REVIEWED BY:
DRAWN BY:
DESIGNED BY: REVISIONS AEP PROJECT NUMBER 213-1882-091

ENGINEER CERTIFICATION

I hereby certify that the engineerinhg plans, specifications or report was prepared by me or under my direct supervision and that I am a duly licensed Professional Engineer under the laws of the State of Minnesota.

C. Ma

Man

Date: 08/16/10

Reg. No.: 21067

M/E/P/FP Engineers:

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CONSULTANTS

SHEET NUMBER

ELECTRICAL SYMBOLS

SHEET TITLE

E001

BID PACKAGE 2A ADDENDUM 2

on: 2/34/2011 3:82 PM

IMPROVING YOUR WORLD

SYMBOL

LIGHTING CONTROL

DESCRIPTION

Sos2

Reynolds, Smith and Hills, Inc.

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